

Force Diagram Notes

Force diagrams are used to show which forces are acting on an object.

This includes _____ and _____ of the forces.

Types:

Gravity – acts on _____ objects on earth.

***acts in the _____ direction

Applied Force – a force given to an object

Examples:

Normal Force – _____

***usually acts in the _____ direction

Examples:

Friction Force – two objects or surfaces rubbing together that
_____ motion

***Friction is affected by _____ and _____

Examples:

Air Resistance – special type of frictional force that acts upon objects traveling _____

Examples:

Tension – force transmitted through a string, rope, cable, or wire when it is _____ tight from both ends

Examples:

Buoyancy – when an object is placed in a _____ (usually water), the fluid exerts a force on the object.

***Buoyancy is usually an _____ force

Examples: